

Date _____

Refer to pages 116-118.

1) Define system of equations.

2) Define linear system.

3) Define a solution of a system of equations. (See the top of p. 117).

4) What represents the solution to a system of equations? (See the top of p. 117)

5) Read example 1 on page 117.

6) a. If two lines intersect, then the lines have _____ solution and the system of equations can be classified as _____.

b. If two lines are parallel, then the lines have _____ solution and the system of equations can be classified as _____.

c. If two lines coincide, then the lines have _____ solution and the system of equations can be classified as _____.

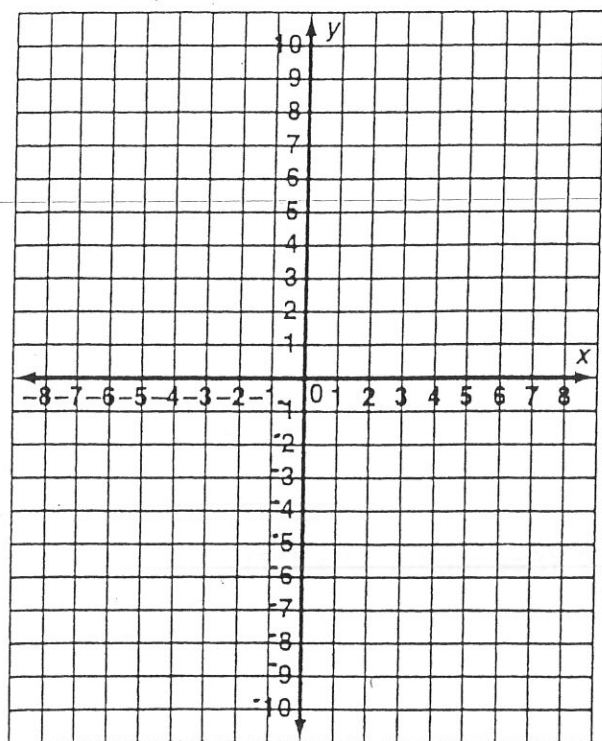
7) Graph each system of equations on the other side.

Advanced Algebra - Systems of Equations
Assignment # _____

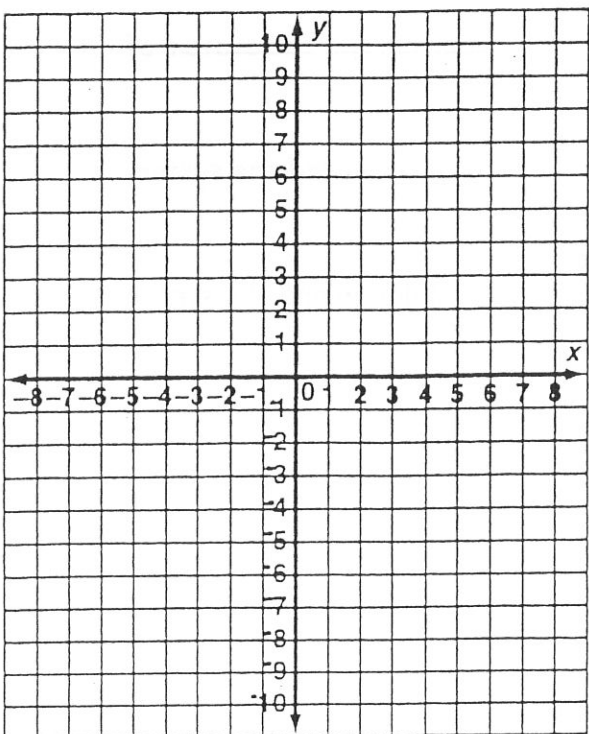
Name _____

1. Graph each equation.
2. State what appears to be the solution of the system of equations.

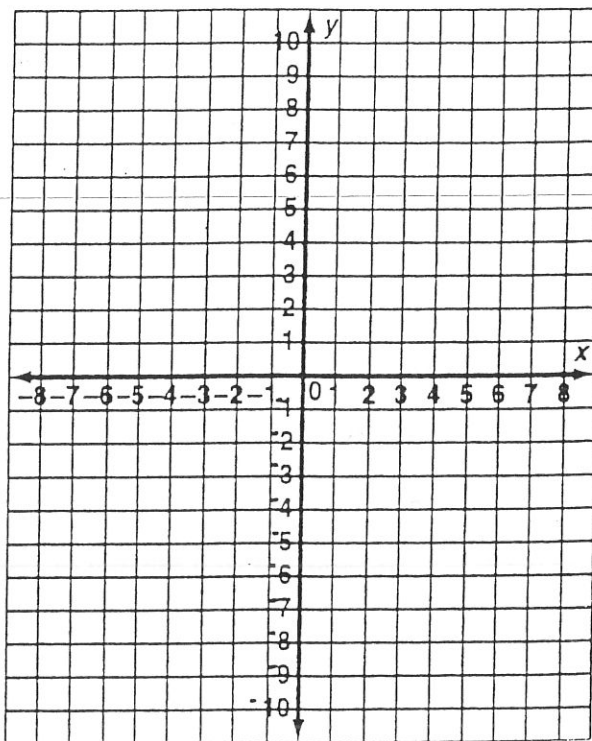
1. $y = -\frac{1}{2}x + 2$
 $y = 3x - 5$



3. $4x - 10y = 20$
 $-2x + 5y = -5$



2. $2x - y = 2$
 $x - y = 2$



4. $x - y = 3$
 $2x - 2y = 6$

